

Notice of Allowability

Application No.

10/551,413

Examiner

Linh M. Nguyen

Applicant(s)

TOHYA, HIROKAZU

Art Unit

2816

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's filing on 10/31/05.
2. ☒ The allowed claim(s) is/are 1-23.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>06/12/07</u> . |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>10/03/05</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Claims 1-23 are currently presented in the instant application according to the Applicant's filing on 10/31/2005.

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it must be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicant's representative, Thomas G. Bilodeau, on 06/12/2007.

The Examiner's Amendment includes:

a) **Abstract:**

Line 11, replace "approxmately" with --approximately--;

replace "line" with --circuit device--.

b) **Claims:**

Claim 1, line 3, replace "a line device" with --line devices--;

line 5, replace "setting" with --having--;

delete "tan δ to 0.05";

line 6, delete "or more as";

replace "the transmission" with --a transmission--;

after "dielectric", insert -- set to 0.05 or more--;

delete "using";

Art Unit: 2816

line 8, replace "line" with --line devices--.

Claim 2, line 4, replace "device" with --devices--;

replace "line device" with --line devices--;

line 5, replace "an" with --the --;

line 6, after "either", insert --one--;

replace "a" with --the--.

Claim 3, line 2, replace "line device" with --line devices--.

Claim 4, line 2, replace "line device" with --line devices--.

Claim 5, lines 3-7 and 9, replace "line device" with --line devices--.

Claim 6, lines 4-5 and 7, replace "line device" with --line devices--.

Claim 7, lines 4-5 and 7, replace "line device" with --line devices--.

Claim 8, lines 3-4 and 6-7, replace "line device" with --line devices--.

Claim 9, line 1, after "claim 1", insert --,wherein the line devices include first and second line devices,--.

Claim 10, line 1, after "claim 7", insert --,wherein the line devices include first and second line devices,--;

Line 4, replace "hand" with --band--.

Claim 11, line 3, replace "fist" with --first--.

Claim 12, line 1, after "claim 1", insert --,wherein the line devices include first and second line devices,--.

Claim 13, line 2, replace "hand" with --band--.

Claim 14, line 1, after "claim 1", insert --,wherein the line devices include first and second line devices,--.

Claim 17, lines 4-5 and 7, replace "line device" with --line devices--.

Claim 18, lines 3-4, 6-7 and 10, replace "line device" with --line devices--.

Claim 19, line 1, after "claim 1", insert --,wherein the line devices include first and second line devices,--.

Claim 21, line 4, replace "line device" with --line devices--.

Claim 22, lines 3 and 5, replace "line device" with --line devices--.

Claim 23, lines 6 and 8, replace "line device" with --line devices--.

c) **Title:**

The title has been changed to be more descriptive according to the disclosed invention as follows:

--WIDE-BAND CIRCUIT COUPLED THROUGH A TRANSMISSION LINE --.

Allowable Subject Matter

2. Claims 1-23 are allowed.

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance:

The closest prior art fails to disclose or fairly suggest a broadband circuit, in which the frequency band of an electromagnetic wave having a wavelength shorter than the length approximately four times larger than the length of the line devices as an object frequency band is inserted into the transmission line and used as a low impedance device to the electromagnetic

wave of the object frequency band, in combination with the remaining claimed limitations, as called for in independent claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linh M. Nguyen whose telephone number is (571) 272-1749. The examiner can normally be reached on Alternate Fri, Monday - Thursday from 7:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Pascal can be reached on (571) 272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Linh M. Nguyen
Primary Examiner
Art Unit 2816

LMN

